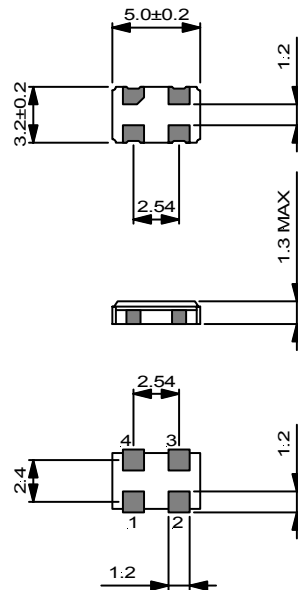


SURFACE MOUNT CLOCK OSCILLATOR

DFN S15-B/ BL

FEATURES
1.8 to 50 MHz
Standard ceramic package
HCMOS/TTL compatible output
APPLICATIONS
Clocking/Datacomms /PCMCIA

Function	DFN S15
NC/Enable	1
GND	2
Output	3
Vcc	4



PC board footprint

TYPE	DFN S15-B	DFN S15-BL
Frequency Range	1.8 to 50 MHz	1.8 to 50 MHz

ELECTRICAL SPECIFICATIONS	DFN S15-B	DFN S15-BL
supply voltage	5 V ± 10 %	3.3 V ± 10 %
supply current (no load) ≤ 25 MHz	≤ 20 mA	≤ 15 mA
≤ 50 MHz	≤ 30 mA	≤ 20 mA
output load ≤ 25 MHz	HCMOS 15 pF or 5 TTL	HCMOS 15 pF or 10 LSTTL
duty cycle	40/60...60/40 % @ 50% level or 1.4 V	40/60...60/40 % @ 50% level
rise/fall times	10 to 90 % ≤ 5 ns	10 to 90 % ≤ 5 ns
high/low levels	≥ 4.5 V / ≤ 0.5 V	≥ 2.7 V / ≤ 0.4 V
start up	≤ 10 ms @ 4.75 V	≤ 10 ms @ 3.00 V

FREQUENCY STABILITY		stability [ppm] and temperature code					
types	temperature range	stability	code	stability	code	stability	code
all types	0 to 70°C	≤ ± 25	XB25	≤ ± 50	XB50	≤ ± 100	XB100
	-10 to 70°C	≤ ± 25	XI25	≤ ± 50	XI50	≤ ± 100	XI100
	-40 to 85°C	≤ ± 50	XE50	≤ ± 75	XE75	≤ ± 100	XE100
remarks		stability includes calibration at 25°C, temperature, ageing, Vcc and load changes 1 st yr.					

OPTIONS	CODE	
tight symmetry	R	45/55...55/45 %
tri-state output on pin 1	Z	high or open = enable, low = high Z

ORDERING CODE	type + option code + frequency + stability/temperature code
Example	DFN S15-BLRZ 50.000 MHz XB25

IMPORTANT NOTE	THIS PRODUCT IS DESIGNED FOR VOLUME APPLICATIONS ONLY
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